



DEPARTMENT OF PLANNING & BUILDING

BUILDING DIVISION

276 Fourth Avenue Chula Vista CA 91910

619-691-5272 619-585-5681 FAX

UTILITY BURIAL STANDARDS*

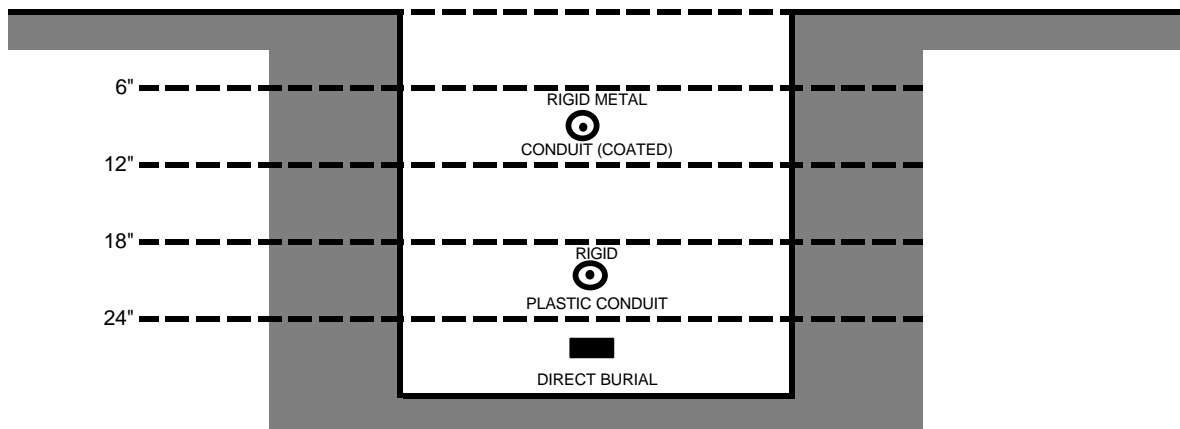
FORM 4530

ELECTRIC LINE BURIAL DEPTHS

Rigid metal conduit (coated) - 6" minimum

Rigid plastic conduit - 18" minimum

Direct burial cable - 24" minimum



National Electric Code Table 300-5 applies. Important exceptions to the above electric line burial depths include:

- A reduction by 6" of the above depths when a minimum of 2" of concrete cover is placed above the wiring method in the line trench.
- A reduction to 12" deep for any wiring method for a 120 volt 20 ampere or less rated residential circuit that is GFCI protected.

The above burial depths are *not* applicable for the following uses:

- Mobilehome parks
- San Diego Gas & Electric service lines
- Exterior slabs or directly underneath building slabs that are at least 3 1/2" thick (conduit may be installed directly underneath slab)
- Locations where solid rock is encountered. Check with Inspection Department for possible solutions
- Vehicular areas

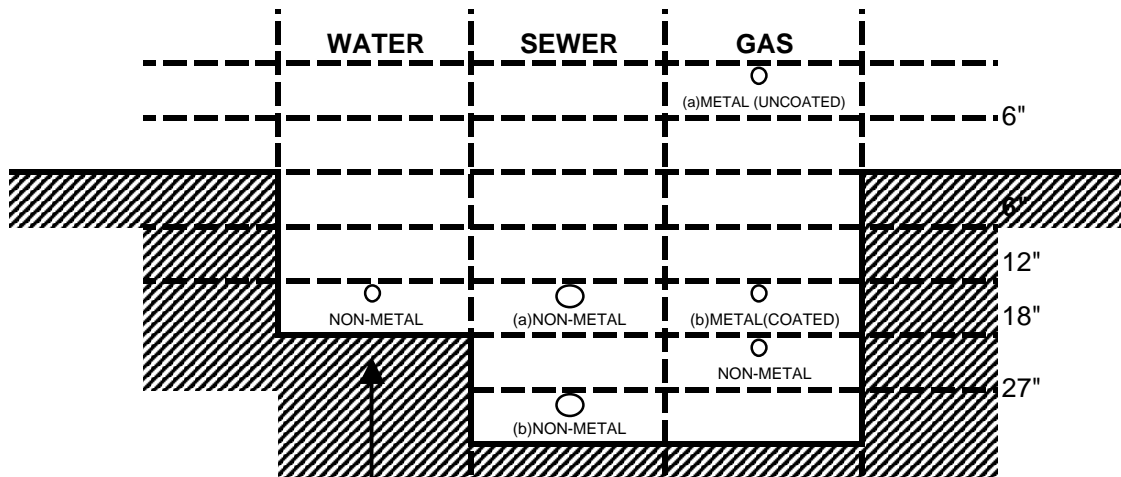
Any trenching near or through a septic system must be reviewed by the Health Department.

****See reverse side of sheet for plumbing burial depths***

BURIAL DEPTHS FOR YARD PIPING*

These burial depths apply **outside of buildings** within private property subject to the following provisions:

- Not applicable to San Diego Gas and Electric Company's gas and utility lines.
- Pipe may be laid in the same trench without horizontal separation except as noted for sewer and water lines.
- Not applicable to mobilehome parks.



WATER PIPE

Metal - No burial requirement (recommend 12" to protect from mechanical damage and freezing). For copper pipe joints use **only** non-lead bearing solders (solders approved for potable water).

Nonmetal 12" minimum (plastic). Also see sewer pipe depths, nonmetal (b).

GAS PIPE

Metal -

- (a) 6" above ground (black or galvanized iron), securely supported.
- (b) 12" below ground (factory coated or machine wrapped).

Nonmetal - (PE plastic) - 18" minimum.

NOTE: Approved plastic to metal transition fittings required (all plastic pipe to be a minimum of 18" below ground). Also 18 GA. Copper yellow insulated tracer wire required.

SEWER PIPE

Metal - No burial requirement (recommend 12" to protect from mechanical damage and freezing).

Nonmetal (a) Pipe approved inside building, 12" minimum.